SEQUENCE LISTING

<110> Bro, Christoffer
       Regenberg, Brigitte

<120> Metabolically Engineered Micro-Organisms Having a Reduced
       Production of Undesired Metabolic Products

<130> BRO2

<140> 10/536495
<141> 2006-05-10

<150> PCT/EP2003/013231
<151> 2003-11-25

<160> 3

<170> PatentIn version 3.3

<210> 1
<211> 50
<212> DNA
<213> Saccharomyces cerevisiae

<400> 1
ctacaaaaaa cacatacagg aattcatgac aaaacaatat aaaaattatg   50

<210> 2
<211> 50
<212> DNA
<213> Saccharomyces cerevisiae

<400> 2
gggccctagg atccatggtg aattttatta tttgatatca aatacgacgg   50

<210> 3
<211> 1425
<212> DNA
<213> Pisum sativum

<400> 3
atgacaaaac aatataaaaa ttatgtcaat ggcgagtgga agctttcaga aaatgaaatt   60

aaaatctacg aaccggccag tggagctgaa ttgggttcag ttccagcaat gagtactgaa   120

gaagtagatt atgtttatgc ttcagccaag aaagctcaac cagcttggcg atcactttca   180

tacatagaac gtgctgccta ccttcacaag gtagcagata ttttgatgcg tgataaagaa   240

aaaataggtg ctgttctttc caaagaggtt gctaaaggtt ataaatcagc agtcagcgaa   300

gttgttcgta ctgcagaaat cattaattat gcagctgaag aaggtcttcg tatggaaggt   360

gaagtccttg aaggcggcag ttttgaagca gccagcaaga aaaaaattgc cgttgttcgt   420

cgtgaaccag taggtcttgt attagctatt tcaccattta actaccctgt taacttggca   480

ggttcgaaaa ttgcaccggc tcttattgcg ggaaatgtta ttgctttttaa accaccgacg   540

caaggatcaa tctcagggct cttacttgct gaagcatttg ctgaagctgg acttcctgca   600

ggtgtcttta ataccattac aggtcgtggt tctgaaattg gagactatat tgtagaacat   660

```
caagccgtta actttatcaa ttttactggt tcaacaggaa ttggggaacg tattggcaaa    720

atggctggta tgcgtccgat tatgcttgaa ctcggtggaa aagattcagc catcgttctt    780

gaagatgcag accttgaatt gactgctaaa aatattattg caggtgcttt tggttattca    840

ggtcaacgct gtacagcagt taaacgtgtt cttgtgatgg aaagtgttgc tgatgaactg    900

gtcgaaaaaa tccgtgaaaa agttcttgca ttaacaattg gtaatccaga agacgatgca    960

gatattacac cgttgattga tacaaaatca gctgattatg tagaaggtct tattaatgat    1020

gccaatgata aaggagccac tgcccttact gaaatcaaac gtgaaggtaa tcttatctgt    1080

ccaatcctct ttgataaggt aacgacagat atgcgtcttg cttgggaaga accatttggt    1140

cctgttcttc cgatcattcg tgtgacatct gtagaagaag ccattgaaat ttctaacaaa    1200

tcggaatatg gacttcaggc ttctatcttt acaaatgatt tcccacgcgc ttttggtatt    1260

gctgagcagc ttgaagttgg tacagttcat atcaataata agacacagcg cggcacggac    1320

aacttcccat tcttaggggc taaaaaatca ggtgcaggta ttcaaggggt aaaatattct    1380

attgaagcta tgacaactgt taaatccgtc gtatttgata tcaaa    1425
```